

Thick Film Temperature Compensated Attenuator

Performance

- Frequency: DC~18GHz
- Mounting: Wire bonding
Surface mount
- Attenuation: 3,4,5,6dB
- Temperature Compensate (dB/dB/°C)
0.006, 0.007, 0.009
- Rated Power: 200mW
- Chip size: 1.91*1.52*0.3mm
1.91*2.22*0.38mm

Naming Rule

BMTVA 03 N 09 G B

① ② ③ ④ ⑤ ⑥

- ① Series Name
- ② Attenuation: 03=3dB,04=4dB,05=5dB,06=6dB
- ③ N= Negative Temperature characteristic
- ④ Temp Compensate Figure (dB/dB/°C)
06=0.006, 07=0.007, 09=0.009
- ⑤ Mounting: G=Wire Bonding, M=Surface mount
- ⑥ Outline size and pad information

Electrical Specifications (Ta=+25°C, 50Ω system)

Part Number	Attenuation (dB)	Return Loss (dB)	Attenuation Flatness (dB)	Return Loss (dB)	Attenuation Flatness (dB)
		DC~8GHz		8~18GHz	
BMTVA03N09GB	3	-15	±0.5	-13	-1.5
BMTVA04N09GB	4	-15	±0.5	-13	+0.5, -1.0
BMTVA04N07MA	4	-15	±0.5	-13	+0.5, -1.0
BMTVA05N07MA	5	-15	±0.5	-13	+0.5, -1.0
BMTVA06N06MA	6	-15	±0.5	-13	+0.5, -1.0

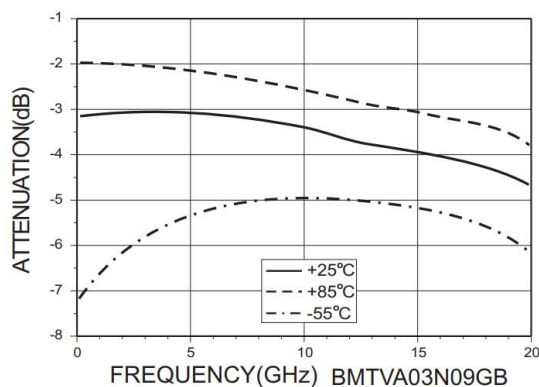
Absolute Max Ratings

Rated Power (CW)	200mW
Power Derating	100% @ +125°C, 0% @ +150°C
Operating Temperature	-55°C~+85°C

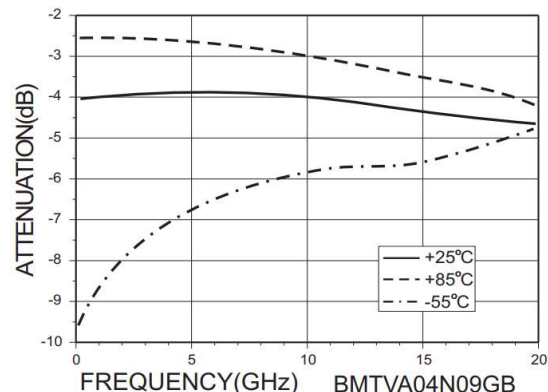
Note: For high power application, please ensure the good heating sinking condition.

Test Curves

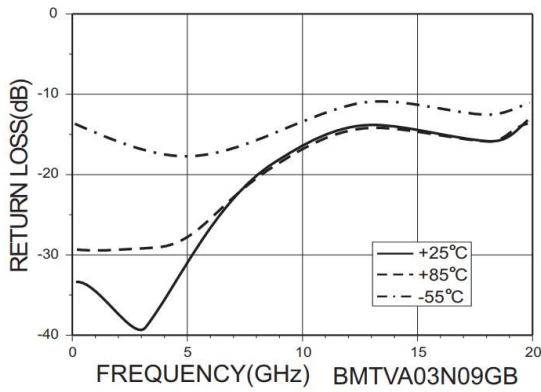
Attenuation vs. Temperature



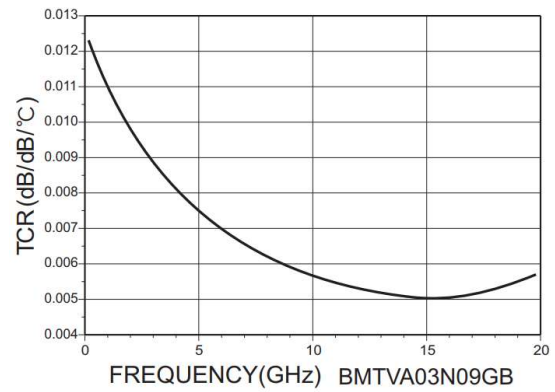
Attenuation vs. Temperature



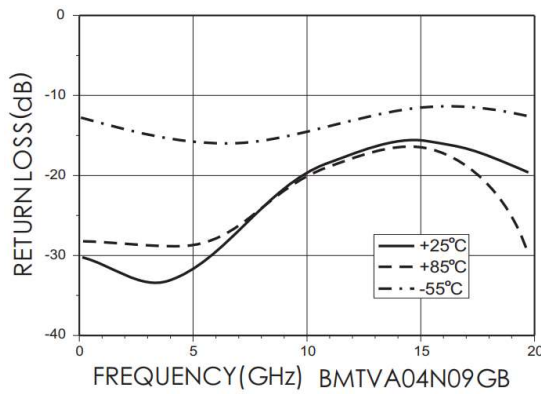
Return Loss vs. Temperature



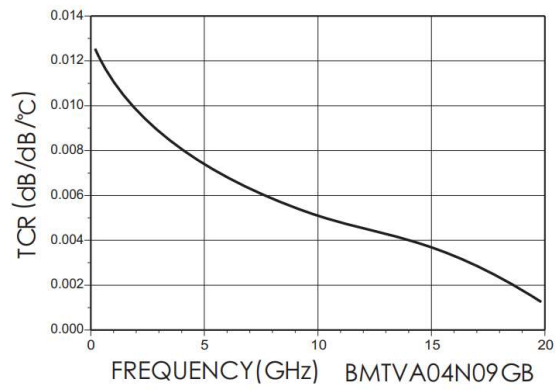
TCR vs. Temperature



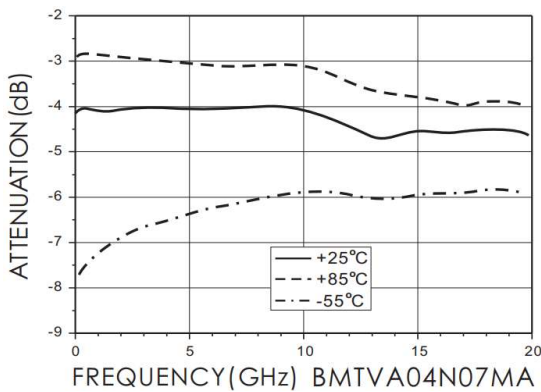
Return Loss vs. Temperature



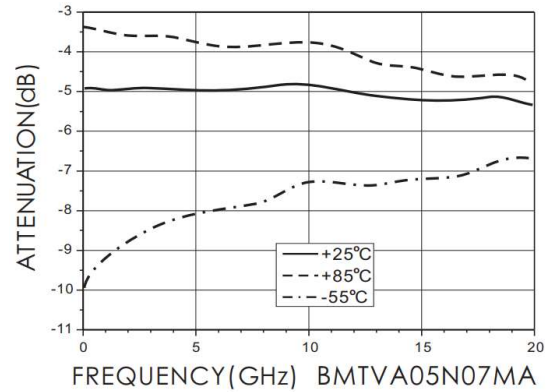
TCR vs. Temperature



Attenuation vs. Temperature

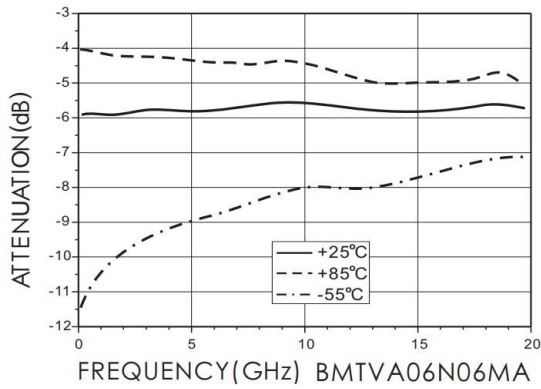


Attenuation vs. Temperature

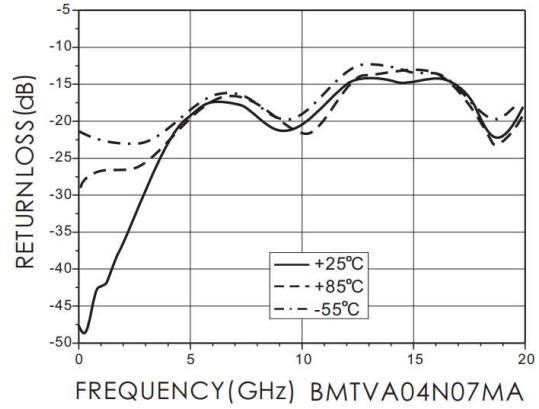


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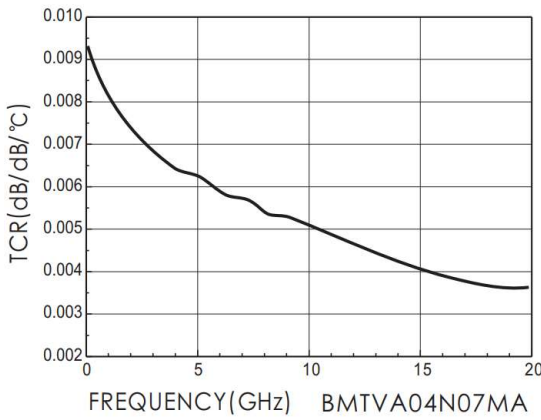
Attenuation vs. Temperature



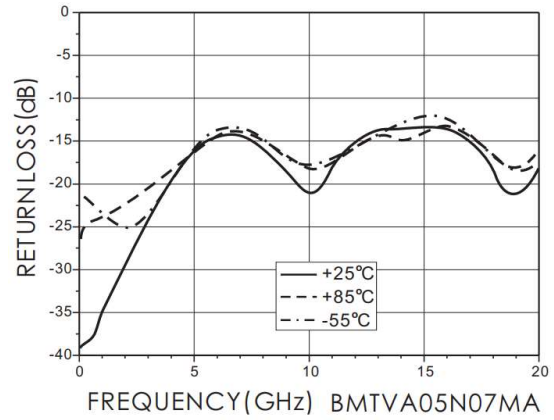
Return Loss vs. Temperature



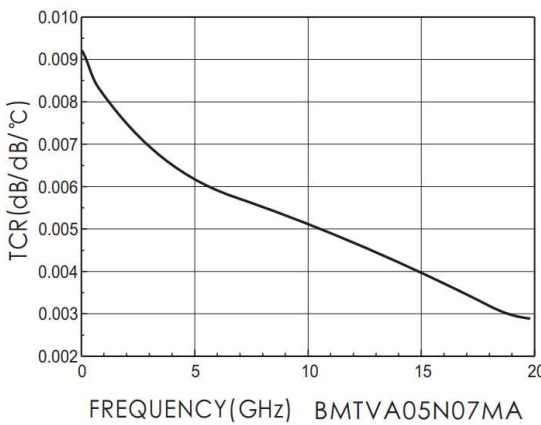
TCR vs. Temperature



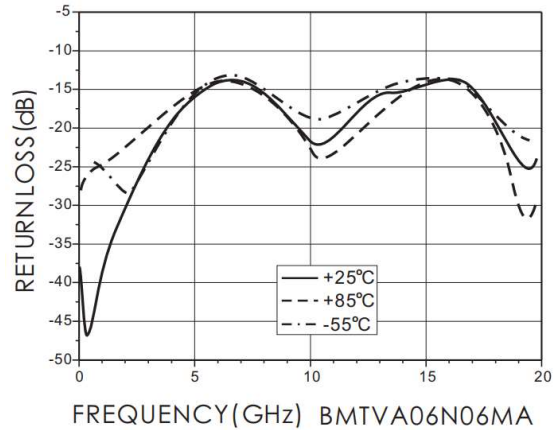
Return Loss vs. Temperature



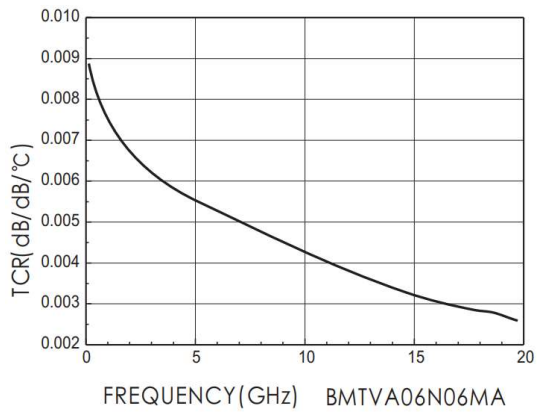
TCR vs. Temperature



Return Loss vs. Temperature



TCR vs. Temperature



Outline Size (mm)	Mounting Method
<p>(A Type)</p> <p>(B Type)</p>	<p>(M)</p> <p>(G)</p>